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Tractor Safety Questions : Extension Form 7-57-2

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TRACTOR SAFETY QUESTIONS

(Check your tractor safety I. Q.)

1. When the speed of a farm tractor is doubled, the danger of tipping over sideways is:
 - (a) decreased slightly
 - (b) increased two times
 - (c) increased four times
 - (d) increased eight times.
2. By replacing the front wheel unit of a row-crop tractor with a wide front end, the danger of side tipping is:
 - (a) increased
 - (b) not affected
 - (c) slightly improved
 - (d) greatly decreased.
3. In collisions involving automobiles and farm tractors:
 - (a) both drivers have equal chances of being killed
 - (b) the driver of the tractor is much more likely to be killed
 - (c) the driver of the tractor is a little more likely to be killed
 - (d) the driver of the auto is more likely to be killed.
4. Non-removable P. T. O. shields were placed on farm tractors to:
 - (a) increase the cost
 - (b) stream-line the tractor
 - (c) provide a place for extra riders to stand
 - (d) increase safety.
5. There is a maximum limit to the height of the drawbar on farm tractors. This was set:
 - (a) to prevent backward tipping when pulling a load on level ground
 - (b) to prevent backward tipping even when pulling up a hill
 - (c) so it wouldn't be necessary to lift the hitch point of equipment so high
 - (d) to provide a convenient place for extra riders to stand.
6. Many tractor operators think they can make it safe for extra riders by merely warning them to "hold tight." How effective is this?
 - (a) this is all the warning that should be necessary
 - (b) this assures a safe ride if there is a convenient place to hold on to
 - (c) this is a good enough warning for adults but may not be enough for children
 - (d) this warning is practically useless -- especially after the first minute or two.

EXTENSION SERVICE
UNIVERSITY OF NEBRASKA COLLEGE OF AGRICULTURE
AND U. S. DEPARTMENT OF AGRICULTURE
COOPERATING
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7. Children are more likely to have accidents while operating farm tractors because of all the following reasons except one.
- (a) they often lack the judgment that comes from years of experience
 - (b) they sometimes do not have enough strength to handle emergency situations
 - (c) most machinery is not adapted to fit the size of children
 - (d) their reaction time is slower.
8. By increasing the width of the rear wheels the danger of side tipping is:
- (a) also increased
 - (b) decreased
 - (c) not changed at all
 - (d) entirely eliminated
9. If a farm tractor is traveling at 10 miles per hour and an automobile 60 miles per hour, how far will the auto travel while the tractor moves $1/4$ mile?
- (a) $1/2$ mile
 - (b) 1 mile
 - (c) $1\ 1/2$ mile
 - (d) 3 miles
10. Uneven brake adjustment is least important when tractor is hauling a load:
- (a) up hill
 - (b) down hill
 - (c) on level ground at high speed
 - (d) on level ground at slow speed
11. When wheel weights are added to a tractor the chance of:
- (a) side tipping is greatly increased
 - (b) back tipping is decreased
 - (c) back tipping is increased
 - (d) neither side or back tipping are effected.
12. Of the following methods, which is the safest way to pull out of a rut, a mud-hole, or a ditch?
- (a) add weights to the rear wheels
 - (b) chain a log in front of the rear wheels
 - (c) back out or be pulled out with another tractor.
 - (d) remove weight from the front end.
13. For safety when pulling a loaded trailer over hilly ground:
- (a) there should be brakes on the tractor and the trailer
 - (b) it is important to have brakes on the tractor only
 - (c) depend entirely on shifting to a low gear to control the speed of the load
 - (d) wait until the emergency occurs to figure out a solution.
14. Which of the following is least likely to contribute to side tipping of tractors:
- (a) high speed
 - (b) rough ground
 - (c) sharp turn
 - (d) low center of gravity

Prepared by William D. Lutes
Extension Specialist Safety